

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/884,636	LEWIS ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Grigory Gurshman	2132	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 9/08/2005.
2. ☒ The allowed claim(s) is/are 10-50, 97-127, 141-151.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
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## DETAILED ACTION

### *Allowable Subject Matter*

1. Claims 10-50, 97-127, 141-151 are allowed.
2. The following is an examiner's statement of reasons for allowance:

2.1 Referring to claims 10-16, 18-26, 28-35, 44-49, 97-115, 117-126,

Fischer (U.S. Patent No. 4,868,877) discloses a public key signature cryptosystem with enhanced digital signature certification (see abstract and Fig. 2).

Fischer teaches the system for certifying digital signatures such that requirement for further joint certifying signatures is made apparent to any receiver of a digital message.

The requirement for joint signatures is especially useful in transactions where money is to be transferred or authorized to be released. To accomplish this end, the certificate of the present invention is constructed to reflect (in addition to the public key and the name of the certifiee and other fields) the number of joint signatures required and an indication as to the identity of qualifying joint signers. Thus, an explicit list of each of the other public key holders that are required to sign jointly may be included in the certificate. In this fashion, the recipient is informed that any material, which is signed by the authority of the sender's certificate, must also be signed by a number of other specified signators. The recipient is therefore able to verify other joint and counter signatures by simply comparing the public keys present in each signature in the certificate. The present invention also includes other ways of indicating co-signature requirements such as by indicating other certificates. Such indications of other public key holders may be explicit

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(with a list as described here), or implicitly, by specifying some other attribute or affiliation. This attribute or affiliation may also be indicated in each co-signer certificate (see column 4, lines 40-65 and Fig. 3). However, Fischer teaches the "object" being data, while Applicant claims "tangible object" having the digital protection system physically attached to it. Therefore, Fischer does not anticipate the instant claims.

2.2 Referring to claims 17, 27, 36, 37- 43, 50, 116, 127, while Fischer teaches comparing source test data with the resultant test data for verifying the digital signature, he does not explicitly teach using the random source data. Fischer also does not teach tangible object protection. Referring to the instant claims Naccache (U.S. Patent No. 5.910.989). Naccache discloses a method for the generation of electronic signatures (see abstract). Naccache teaches an electronic signature method, comprising the generation of a digital signature by a signer unit that computes his signature by using a random data element sent by a verifier unit, and the checking of the signature by the verifier which ascertains that a mathematical condition, bringing into action the signature sent and the random data element (see column 3, lines 29-33). However, Naccache does not teach or suggest protection and authentication of the tangible objects. Therefore, the combination of Fischer with Naccache does not render the instant claims obvious.

3. In view of the reasons presented herein, 10-50, 97-127, 141-151 are in condition for allowance.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Grigory Gurshman whose telephone number is (571)272-3803. The examiner can normally be reached on 9 AM-5:30 PM.

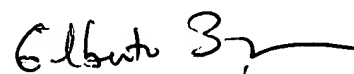
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (571)272-3799. The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

GG



Grigory Gurshman  
Examiner  
Art Unit 2132



GILBERTO BARRON JR.  
SUPERVISORY PATENT EXAMINER  
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